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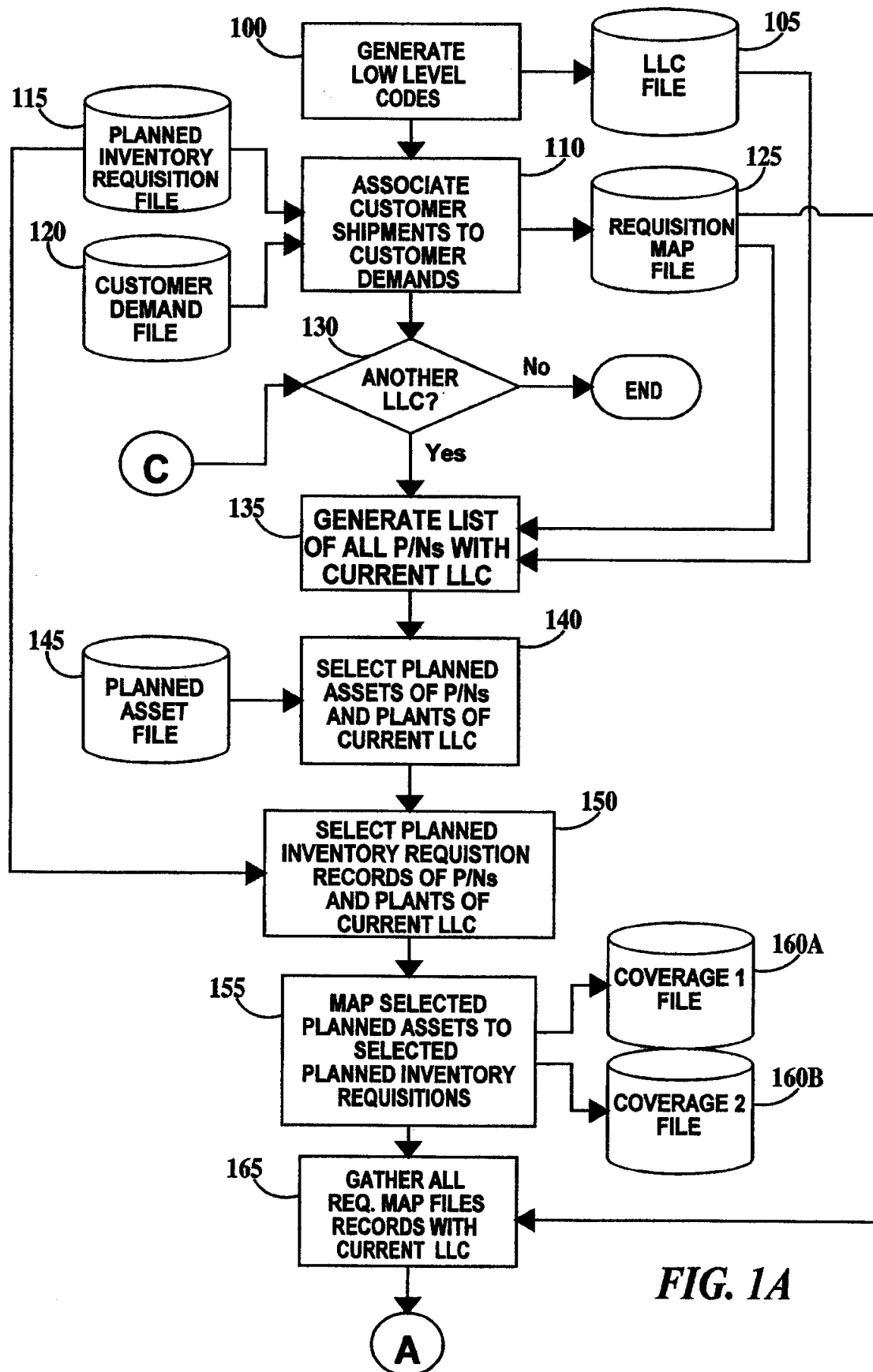


FIG. 1A

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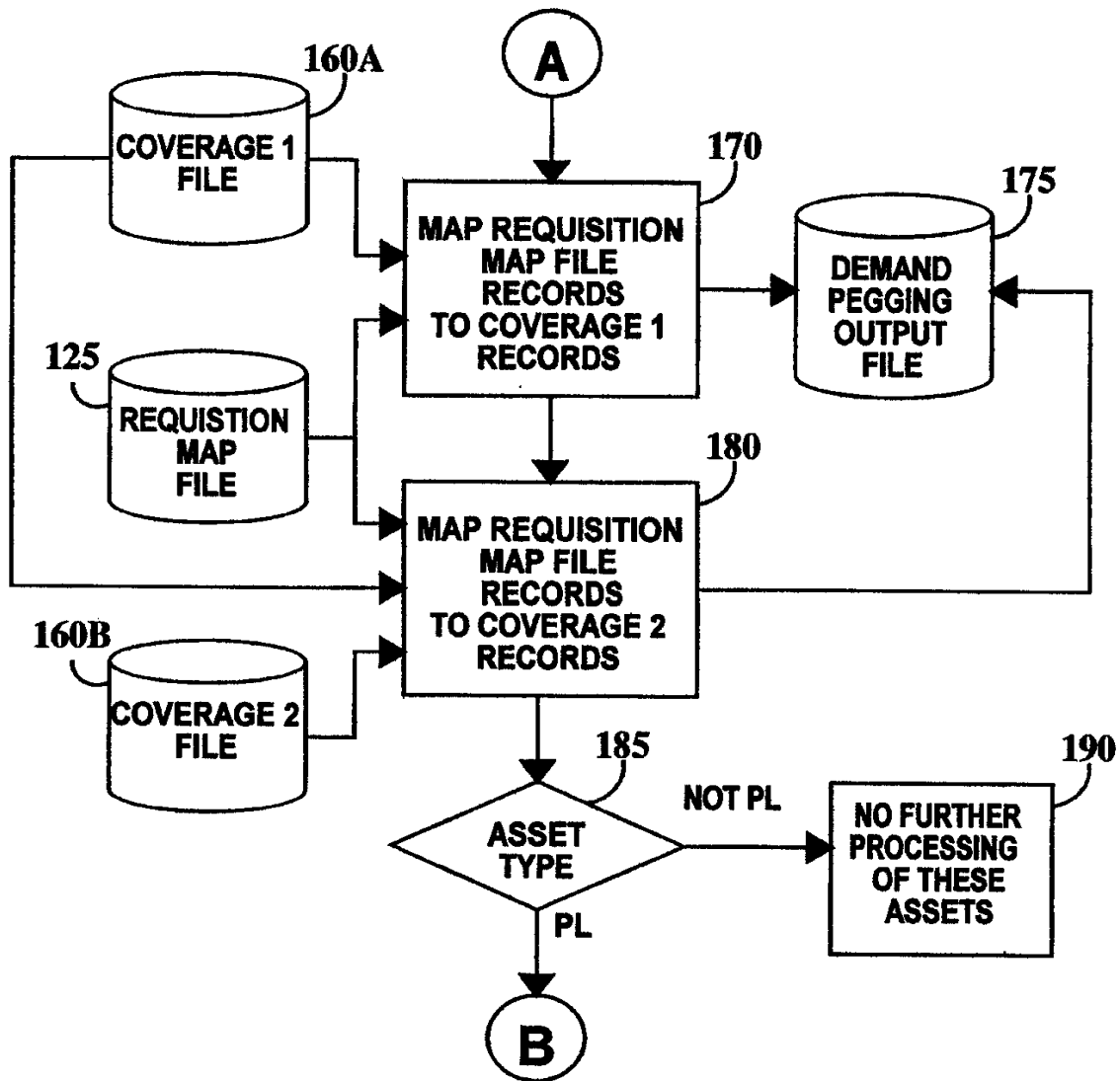


FIG. 1B

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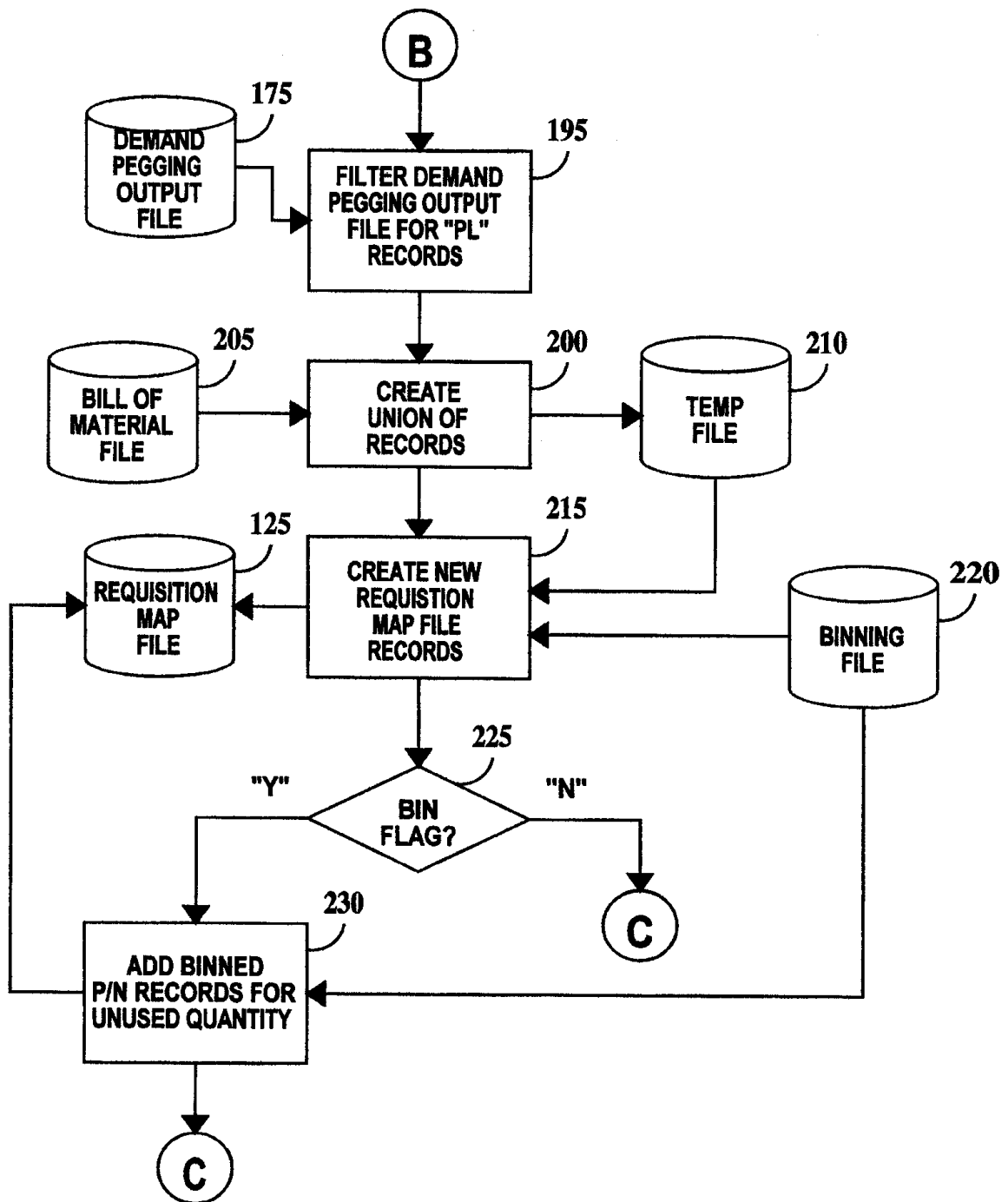


FIG. 1C

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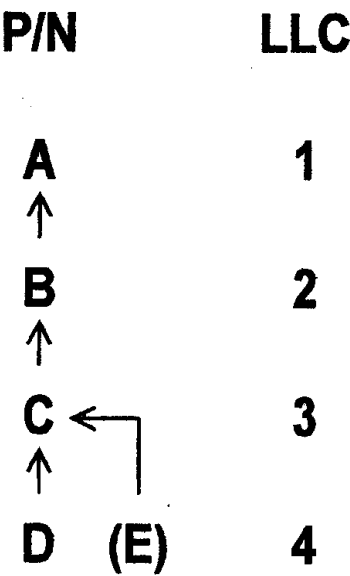


FIG. 2A

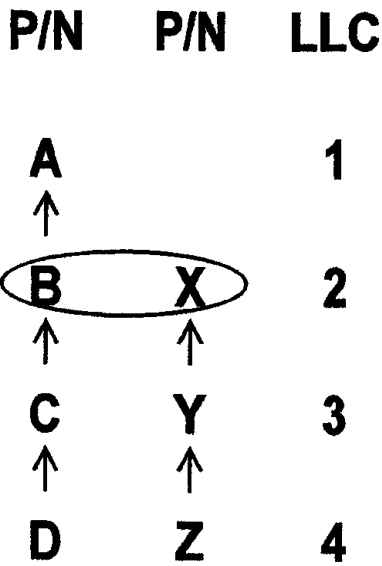


FIG. 2B

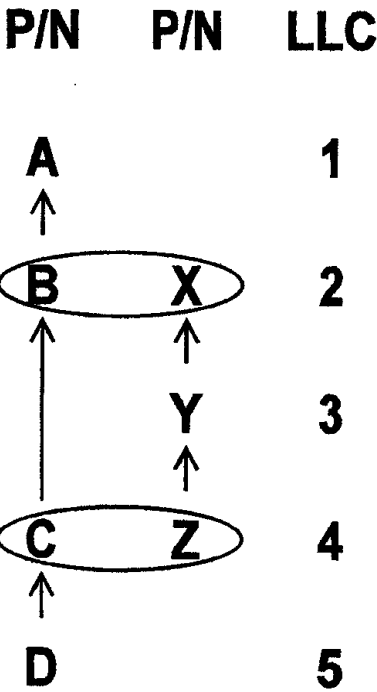


FIG. 2C

EXAMPLE PLANNED INVENTORY REQUISITION FILE							
Part Number	Plant	Requisition Type	Requisition Identifier	Planned Asset Reference	Quantity	Date	Customer Code
PN1	PL1	CSHP	500		100	2/10/2004	X
PN1	PL1	SUB	5	PN2	200	2/20/2004	
PN1	PL1	CSHP	503		300	2/28/2004	X
PN2	PL1	CSHP	502		200	2/20/2004	X
PN3	PL1	CSHP	600		100	3/2/2004	Y
PN6	PL1	CSHP	601		50	3/5/2004	Y
PN7	PL1	CSHP	602		30	3/8/2004	Y
PN4	PL1	COMP	6	PN3	240	2/26/2004	
PN5	PL1	COMP	6	PN3	120	2/26/2004	
PN8	PL1	COMP	7	PN6	50	3/1/2004	
PN8	PL1	COMP	7	PN7	30	3/1/2004	

FIG. 3A

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EXAMPLE CUSTOMER DEMAND FILE						
Part Number	Customer Code	Demand Type	Request Quantity	Request Date	Order Number	
PN1	X	Order	50	2/5/2004	2000	
PN1	X	Order	50	2/10/2004	2001	
PN1	X	Order	300	2/28/2004	2003	
PN2	X	Order	200	2/20/2004	2002	
PN3	Y	Order	100	3/2/2004	3002	
PN6	Y	Order	50	3/5/2004	3003	
PN7	Y	Order	30	3/8/2004	3004	

FIG. 3B

EXAMPLE REQUISITION MAP FILE (AFTER STEP 110)										
Part Number	Plant	Requisition Type	Requisition Identifier	Reference	Requisition Date	Consumption Quantity	Customer P/N	Customer Code	Order Number	Customer Demand Quantity
PN1	PL1	CSHP	500		2/10/2004	50	PN1	X	2000	50
PN1	PL1	CSHP	500		2/10/2004	50	PN1	X	2001	50
PN1	PL1	CSHP	503		2/28/2004	300	PN1	X	2003	300
PN2	PL1	CSHP	502		2/20/2004	200	PN2	X	2002	200
PN3	PL1	CSHP	600		3/2/2004	100	PN3	Y	3002	100
PN6	PL1	CSHP	601		3/5/2004	50	PN6	Y	3003	50
PN7	PL1	CSHP	602		3/8/2004	30	PN7	Y	3004	30

FIG. 3C

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EXAMPLE PLANNED ASSET FILE							
Part Number	PLANT	Asset Type	Asset Identifier	Planned Requisition Reference	Projected Quantity	Projected Date	Start Date
PN1	PL1	WIP	1		100	2/10/2004	
PN1	PL1	WIP	2		50	2/18/2004	
PN1	PL1	WIP	3		150	2/20/2004	
PN1	PL1	WIP	4		300	2/28/2004	
PN2	PL1	SUB	5	PN1	200	2/20/2004	
PN3	PL1	PL	6		100	3/2/2004	2/26/2004
PN6	PL1	PL	7		50	3/5/2004	3/1/2004
PN7	PL1	PL	7		30	3/5/2004	3/1/2004

FIG. 3D

EXAMPLE COVERAGE 1 and COVERAGE 2 FILE										
Part Number	Plant	Asset Type	Asset Identifier	Requisition Type	Planned Inventory Reference	Requisition Identifier	Quantity	Asset Availability Date	Requisition Date	Coverage File
PN1	PL1	WIP	1	CSHP		500	100	2/10/2004	2/10/2004	1
PN1	PL1	WIP	2	SUB	PN2	5	50	2/18/2004	2/20/2004	2
PN1	PL1	WIP	3	SUB	PN2	5	150	2/20/2004	2/20/2004	2
PN1	PL1	WIP	4	CSHP		503	300	2/28/2004	2/28/2004	1
PN2	PL1	SUB	5	CSHP	PN1	502	200	2/20/2004	2/20/2004	1
PN3	PL1	PL	6	CSHP		600	100	3/2/2004	3/2/2004	1
PN6	PL1	PL	7	CSHP		601	50	3/5/2004	3/5/2004	1
PN7	PL1	PL	7	CSHP		602	30	3/5/2004	3/8/2004	1

FIG. 3E

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EXAMPLE DEMAND PEGGING OUTPUT FILE														
Part Number	Plant	Asset Type	Asset Identifier	Requisition Type	Asset Availability Date	Start Date	Start Quantity	Reference	Requisition Identifier	Quantity	Customer P/N	Customer Code	Order Number	Customer Demand Quantity
PN1	PL1	WIP	1	CSHP	2/10/2004	N/A	N/A		500	50	PN1	X	2000	50
PN1	PL1	WIP	1	CSHP	2/10/2004	N/A	N/A		500	50	PN1	X	2001	50
PN1	PL1	WIP	4	CSHP	2/28/2004	N/A	N/A		503	300	PN1	X	2003	300
PN1	PL1	WIP	2	SUB	2/18/2004	N/A	N/A	PN2	5	50	PN2	X	2002	50
PN1	PL1	WIP	3	SUB	2/20/2004	N/A	N/A	PN2	5	150	PN2	X	2002	150
PN2	PL1	SUB	5	CSHP	2/20/2004	N/A	N/A	PN1	502	200	PN2	X	2002	200
PN3	PL1	PL	6	CSHP	3/2/2004	2/26/2004	120		600	100	PN3	Y	3002	100
PN6	PL1	PL	7	CSHP	3/5/2004	3/1/2004	50		601	50	PN6	Y	3003	50
PN7	PL1	PL	7	CSHP	3/5/2004	3/1/2004	30		602	30	PN7	Y	3004	30

FIG. 3F

EXAMPLE BILL OF MATERIALS FILE					
Part Number	Plant	Process	Component P/N	BOM Quantity	BIN Flag
PN3	PL1	PR1	PN4	2	N
PN3	PL1	PR1	PN5	1	N
PN6	PL1	PR1	PN8	1	Y
PN7	PL1	PR1	PN8	1	Y

FIG. 3G

EXAMPLE BINNING FILE				
Part Number	Plant	Process	BINNED P/N	BINNING PERCENTAGE
PN8	PL1	PR1	PN6	70
PN8	PL1	PR1	PN7	30

FIG. 3H

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EXAMPLE TEMP FILE													
Part Number	Plant	Asset Type	Asset Identifier	Requisition Type	Asset Availability Date	Start Date	Start Quantity	Reference	Requisition Identifier	Quantity	Customer P/N	Customer Code	Order Number
PN3	PL1	PL	6	CSHP	3/2/2004	2/26/2004	120		600	100	PN3	Y	3002
PN3	PL1	PL	6	CSHP	3/2/2004	2/26/2004	120		600	100	PN3	Y	3002
PN6	PL1	PL	7	CSHP	3/5/2004	3/1/2004	50		601	50	PN6	Y	3003
PN7	PL1	PL	7	CSHP	3/5/2004	3/1/2004	30		602	30	PN7	Y	3004

Customer Demand Quantity	Component P/N	BOM Quantity	BIN FLAG
100	PN4	2	N
100	PN5	1	N
50	PN8	1	Y
30	PN8	1	Y

FIG. 31

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EXAMPLE REQUISITION MAP FILE (AFTER STEP 215)										
Part Number	Plant	Requisition Type	Requisition Identifier	Reference	Requisition Date	Consumption Quantity	Customer P/N	Customer Code	Order Number	Customer Demand Quantity
PN1	PL1	CSHP	500		2/10/2004	50	PN1	X	2000	50
PN1	PL1	CSHP	500		2/10/2004	50	PN1	X	2001	50
PN1	PL1	CSHP	503		2/28/2004	300	PN1	X	2003	300
PN2	PL1	CSHP	502		2/20/2004	200	PN2	X	2002	200
PN3	PL1	CSHP	600		3/2/2004	100	PN3	Y	3002	100
PN6	PL1	CSHP	601		3/5/2004	50	PN6	Y	3003	50
PN7	PL1	CSHP	602		3/8/2004	30	PN7	Y	3004	30
PN4	PL1	COMP	6	PN3	2/26/2004	240	PN3	Y	3002	100
PN5	PL1	COMP	6	PN3	2/26/2004	120	PN3	Y	3002	100
PN8	PL1	COMP	7	PN6	3/1/2004	50	PN6	Y	3003	50
PN8	PL1	COMP	7	PN7	3/1/2004	30	PN7	Y	3004	30

FIG. 3J

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EXAMPLE REQUISITION MAP FILE (AFTER STEP 230)										
Part Number	Plant	Requisition Type	Requisition Identifier	Reference	Requisition Date	Consumption Quantity	Customer P/N	Customer Code	Order Number	Customer Demand Quantity
PN1	PL1	CSHP	500		2/10/2004	50	PN1	X	2000	50
PN1	PL1	CSHP	500		2/20/2004	50	PN1	X	2001	50
PN1	PL1	CSHP	503		2/28/2004	300	PN1	X	2003	300
PN2	PL1	CSHP	502		2/20/2004	200	PN2	X	2002	200
PN3	PL1	CSHP	600		3/2/2004	100	PN3	Y	3002	100
PN6	PL1	CSHP	601		3/5/2004	50	PN6	Y	3003	50
PN7	PL1	CSHP	602		3/8/2004	30	PN7	Y	3004	30
PN4	PL1	COMP	6	PN3	2/26/2004	240	PN3	Y	3002	100
PN5	PL1	COMP	6	PN3	2/26/2004	120	PN3	Y	3002	100
PN8	PL1	COMP	7	PN6	3/1/2004	50	PN6	Y	3003	50
PN8	PL1	COMP	7	PN7	3/1/2004	30	PN7	Y	3004	30
PN8	PL1	COMP	7	PN6	3/1/2004	20	PN6	UNUSED	3003	50

FIG. 3K

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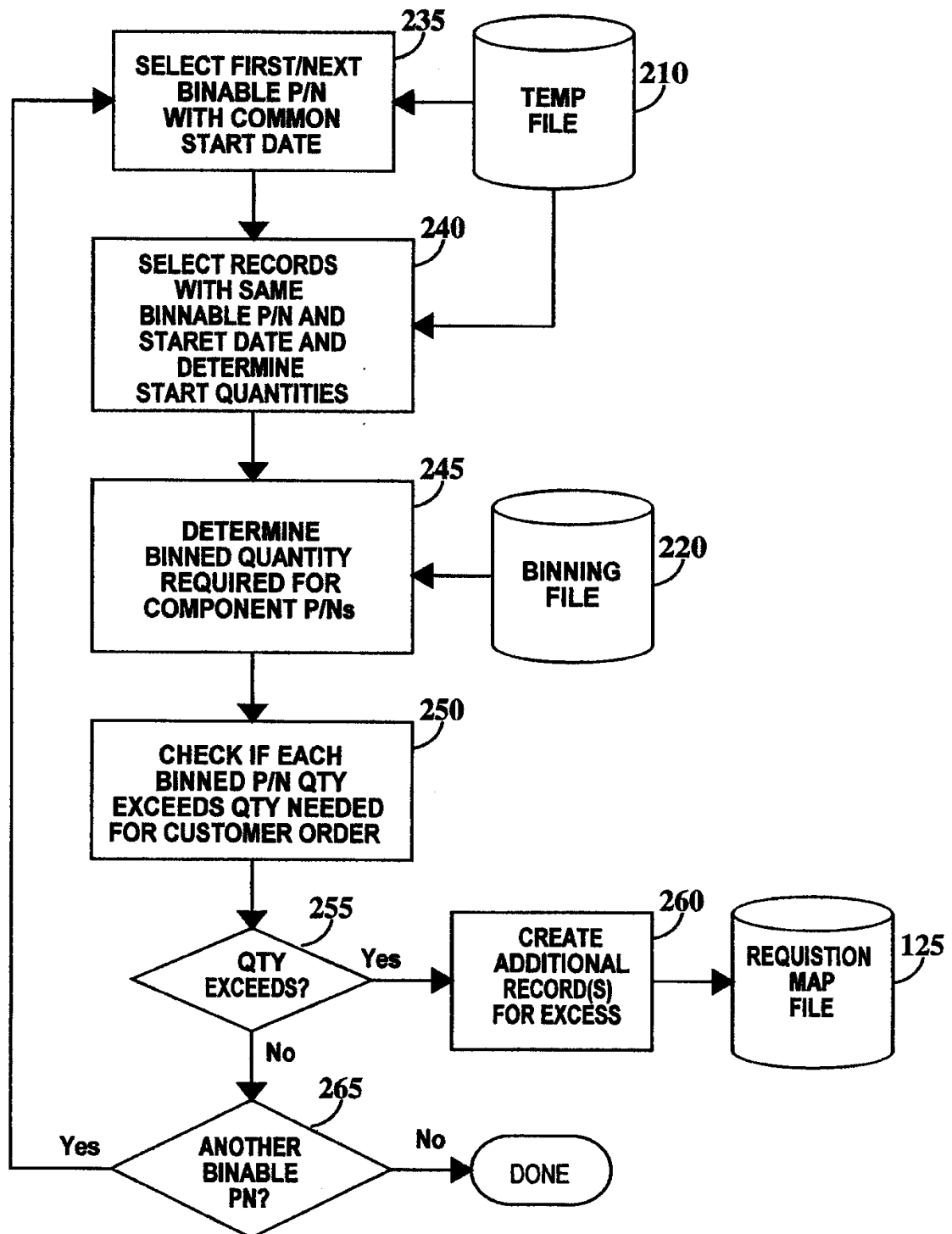


FIG. 4

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EXAMPLE OF DEMAND PEGGING WITH BINNING INPUT

PN1 IS PRODUCT WHICH IS BINABLE
 70% BECOMES BINNED PN2
 30% BECOMES BINNED PN3

CUSTOMER ORDERS:
 CUSTOMER ORDER 1, PN2 QUANTITY 50
 CUSTOMER ORDER 2, PN3 QUANTITY 30

PRODUCTION SCHEDULE RUN
 WIP LOT 1, COMPONENT DEMAND PN 1 QUANTITY 100

DEMAND PEGGING RESULT
 WIP LOT1 - CUSTOMER ORDER 1, QUANTITY 50
 WIP LOT1 - CUSTOMER ORDER 2, QUANTITY 30
 WIP LOT1 - UNUSED, QUANTITY 20

*FIG. 5A***EXAMPLE OF DEMAND PEGGING WITH BINNING**

STEP 1 - ASSIGN ASSETS
 A - ASSIGN 50 PIECES TO COMPONENT DEMAND 1
 SHIPMENT OF PN2 TO CUSTOMER ORDER 1
 B - ASSIGN 30 PIECES TO COMPONENT DEMAND 1
 SHIPMENT OF PN3 TO CUSTOMER ORDER 2

STEP 2 - CALCULATE ASSET DISTRIBUTION
 A -100 PN1 COMPONENT DEMAND 1 X 70% = 70 PIECES TO PN2
 SINCE ONLY 50 WAS ASSIGNED IN STEP 1,
 ASSIGN REMAINING 20 TO "UNUSED",
 AND CREATE NEW RECORD
 B -100 PN2 COMPONENT DEMAND 1 X 30% = 30 PIECES TO PN3
 SINCE THIS AMOUNT WAS ASSIGNED IN STEP 1,
 NO FURTHER ACTION NEEDED

FIG. 5B

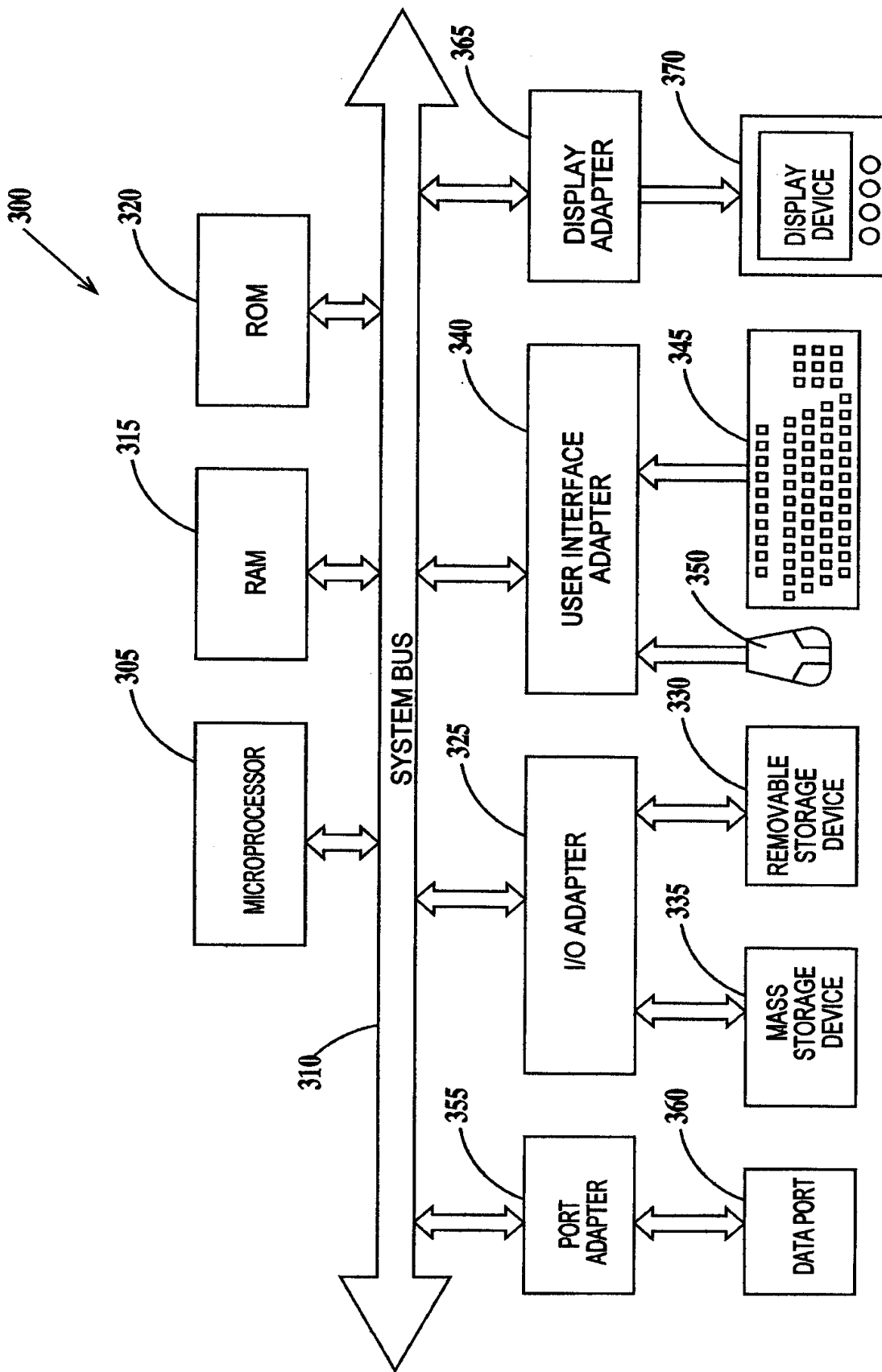


FIG. 6